

# **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	26572	("P2O5" or "phosphorous oxide" or "phosphorous pentoxide" or "phosphorous \$oxide" or "phosphorus oxide" or "phosphorus pentoxide" or "phosphorus \$oxide" or "phosphoric oxide" or "phosphoric pentoxide" or "phosphoric \$oxide")	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 11:41
S2	135351	("MgO" or "magnesium oxide" or "alkaline earth metal oxide" or "alkaline earth metal oxides" or "alkaline earth oxide" or "alkaline earth oxides")	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 11:41
S3	31752	("Na2O" or "sodium oxide" or "alkali metal oxide" or "alkali metal oxides" or "alkali oxide" or "alkali oxides")	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 11:41

# EAST Search History

S4	185432 5	("!SiO2!" or silicate or silicates or "silicic acid" or siliconate or metasilicate or monosilicate or orthosilicate or polysilicate or sesquisilicate or silica or siliceous or "siliceous diatom" or silicious or "silicious diatom" or silane or oxysilane or alkoxysilane or siloxane or silicon or silicone or "silicon oxide" or "silicon dioxide" or "silicon trioxide" or "silicon tetraoxide" or "silicon pentaoxide" or silicon)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 11:41
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### EAST Search History

S5	184773 4	((silver or "silver oxide" or "silver monoxide" or "disilver oxide" or "di-silver oxide" or "disilver monoxide" or "di-silver monoxide" OR "Ag2O" or "Ag+" or "Ag(I)" or "AgI" or "Ag (I)" or "Ag I" or "Ag(1)" or "Ag1" or "Ag (1)" or "Ag 1" or "silver(I) oxide" or "silverI oxide" or "silver (I) oxide" or "silver I oxide" or "silver(1) oxide" or "silver1 oxide" or "silver (1) oxide" or "silver 1 oxide" OR silver or disilver or "di-silver" or "silver(I)" or "silverI" or "silver (I)" or "silver I" or "silver(1)" or "silver1" or "silver (1)" or "silver 1" OR argentous or "argentous oxide" or "argentous monoxide" or "argentous(I) oxide" or "argentousI oxide" or "argentous (I) oxide" or "argentous I oxide" or "argentous(1) oxide" or "argentousI oxide" or "argentous (1) oxide" or "argentous 1 oxide" OR argentous or "argentous(I)" or "argentousI" or "argentous (I)" or "argentous I" or "argentous(1)" or "argentousI" or "argentous (1)" or "argentous 1" OR "Ag" or "Ag2O" or "Ag+" or "Ag(I)" or "AgI" or "Ag (I)" or "Ag I" or "Ag(1)" or "Ag1" or "Ag (1)" or "Ag 1") OR (silver or Algaedyn	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 11:42
7/19/2006 4:33:23 PM C:\Documents and Settings\... \My Documents\... \Workspaces\10681204_Meyerindgold_Polyurethane Silver Bioglass	or Argentum or Astroflak or disilver or disilver or disilver or disilver	Page: 1 10681204_Meyerindgold_Polyurethane Silver Bioglass				
	"Colloidal silver" or Degussa or "silver oxide" or "silver monoxide" or "monosilver oxide" or "mono-silver oxide" or "monosilver monoxide" or "mono-silver monoxide" OR "AgO" or "Ag++" or "Ag(II)" or "AgII" or "Ag (II)" or "Ag II" or "Ag(2)" or "Ag2" or "Ag (2)" or "Ag 2" or "silver(II) oxide" or "silverII oxide" or "silver (II) oxide" or "silver II oxide" or "silver(2) oxide" or "silver2 oxide" or "silver (2) oxide" or "silver 2 oxide" OR silver or monosilver or "mono-silver" or "silver(II)" or "silverII" or "silver (II)" or "silver II" or "silver(2)" or "silver2" or "silver (2)" or "silver 2" OR argentic or "argentic oxide" or "argentic monoxide" or "argentic(II) oxide" or "argenticII oxide" or "argentic (II) oxide" or "argentic II oxide" or "argentic(2) oxide" or "argentic2 oxide" or "argentic (2) oxide" or "argentic 2 oxide" OR argentic or "argentic(II)" or "argenticII" or "argentic (II)" or "argentic II" or "argentic(2)" or "argentic2" or "argentic (2)" or "argentic 2" OR "Ag" or AgO or "Ag++" or "Ag(II)" or "AgII" or "Ag (II)" or "Ag II" or "Ag(2)" or "Ag2" or "Ag (2)" or "Ag 2")					

# **EAST Search History**

S6	394	S1 AND S2 AND S3 AND S4 AND S5	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:04
S7	85	S6 AND (polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curene or Dorlastan or Elastane or Espa or Etheron or Glospan or Isourethane or Likla or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:04

## EAST Search History

S8	13	S6 AND ((urethane or urethanes) NEAR3 (polymer or resin or rosin or plastic or thermoplastic or "thermo-plastic" or osmopolymer or "osmo-polymer" or hydrogel or "colloidal polymer\$" or biopolymer or "bio-polymer" or "natural polymer" or "synthetic polymer" or polymeric or polymerize or polymerized or polymerizable or polymerization or polymerise or polymerised or polymerisable or polymerisation or copolymer or copolymerize or copolymerized or copolymerizable or copolymerization or "co-polymer" or "co-polymerize" or "co-polymerized" or "co-polymerizable" or "co-polymerization" or copolymerise or copolymerised or copolymerisable or copolymerisation or "co-polymerise" or "co-polymerised" or "co-polymerisable" or "co-polymerisation" or terpolymer or terpolymerize or terpolymerized or terpolymerizable or terpolymerization or "ter-polymer" or "ter-polymerize" or "ter-polymerized" or "ter-polymerizable" or "ter-polymerization" or terpolymerise or terpolymerised or terpolymerisable or terpolymerisation or "ter-polymerise" or "ter-polymerised" or "ter-polymerisable" or "ter-polymerisation" or "block-polymer" or "block polymer" or "block-copolymer" or "block copolymer" or "graft-\$polymer" or "graft \$polymer" or "graft-copolymer" or "graft copolymer"))	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 12:05
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# EAST Search History

S9	87	S7 OR S8	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:05
S10	68	S9 AND @AD<="20030409"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 15:31
S11	12	S10 AND (Pentaerythritol or "2, 2-bis(hydroxymethyl)-1, 3-propanediol" or "1,1, 1-tris(hydroxymethyl)etha nol" or "2, 2-bis(hydroxymethyl)-1, 3-propanediol" or Auxinutril or "Hercules P 6" or Maxinutril or "Metab-Auxil" or "Metab Auxil" or MetabAuxil or monopentaerythritol or monopentek or "Neulizer P" or Penetek or Pentarit or Pentek or "tetra(hydroxymethyl)met hane" or "tetrakis(hydroxymethyl)m ethane" or "tetramethylolmethane" or "ITHME!")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 14:25

# EAST Search History

S12	3	S10 AND ((polyglycol or polyether or polyoxide) NEAR5 (polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curene or Doriastan or Elastane or Espa or Etheron or Glospan or Isourethane or Likda or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:06
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## EAST Search History

S13	1	S10 AND ((glycerol or glycerin or glycerine or glycyrrhizin or glycol or glyceritol or glysanin or glyrol or "glycyl alcohol" or "glyceol ophthalgan" or "1,2,3-propanetriol" or propanetriol or "1,3-dihydroxy-2-propanol" or "1,2,3-trihydroxypropanol" or trihydroxypropane or trihydroxypropane or Bulbold or "Emery 916" or "Emery 917" or "Mackstat H 66" or Osmoglyn or "Pricerine 9091" or polyglycol or ether or polyether or oxide or polyoxide or oxy or polyoxy or epoxide or polyhydroxyl or polyol or polyalcohol or "polymeric alcohol") NEARS (ethylene or polyethylene or propylene or polypropylene or butylene or polybutylene or alkylene or polyalkylene) NEARS (polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curene or Dorlastan or Elastane or Espa or Etheron or Glospan or Isourethane or Likla or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes)	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 12:07
7/19/2006 4:33:23 PM		Page 8				
C:\Documents and Settings\rosalind\My Documents\10681204_MeyerIndold_Polyurethane Silver Bioglass Wound Composite.wsp						



## EAST Search History

S14	3	S10 AND ("alkylene oxide" or "alkylene epoxide" OR "ethylene oxide" or "ethene-oxide" or "ethene oxide" or "ethylene-epoxide" or "ethylene epoxide" or oxyethylene or ethyleneoxy or "1, 2-epoxyethane" or epoxyethane or dimethylene oxide or dihydrooxirene or "Ciba-Geigy 9138" or "Mirror Ox" or oxacyclop propane or oxidoethane or "dihydro-oxirene" or dihydrooxirene or oxirene or oxyfume or oxirane OR "propylene oxide" or "1, 2-propylene oxide" or "propene-oxide" or "propene oxide" or "propylene-epoxide" or "propylene epoxide" or propozone or oxypropylene or propyleneoxy or "1, 2-epoxypropane" or "1, 2-epoxy-propane" or "2, 3-epoxypropane" or "2, 3-epoxy-propane" or epoxypropane or "epoxy-propane" or "epoxy propane" or epihydrin or "2-methyloxirane" or "2-methyl-oxirane" or methyloxirane or "methyl-oxirane" or "methyl oxirane" or methyloxacyclop propane OR "polyalkylene oxide" or "(poly)alkylene oxide" or "polyalkylene epoxide" or "(poly)oxyalkylene" or	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:07
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7/19/2006 4:33:23 PM Page 5  
 C:\Documents and Settings\... (Workspaces)10681204\_MeyerIngold\_Polyurethane Silver Bioglass Wound Composite.wsp

		<p>"(poly)alkylene epoxide" or "(poly)oxyalkylene" or "polyoxyalkylene" or polyether OR "polyethylene oxide" or "(poly)ethylene oxide" or "polyethylene epoxide" or "(poly)ethylene epoxide" or polyoxyethylene or "(poly)oxyethylene" or "poly(oxy-1,2-ethanediyl)" or "hydroxypoly(ethylene oxide)" or "hydroxypoly(oxy-1, 2-ethanediyl)" or "hydroxypoly(oxyethylene)" or "1,2-ethanediol polymer" or "polyethylene oxide" or Alkox or Antaro or "Aquacide III" or Aquaffin or Badimol or "Bradsyn PEG" or Breox or "Breox PEG" or Carbowax or Polyox OR "polypropylene oxide" or "(poly)propylene oxide" or "polypropylene epoxide" or "(poly)propylene epoxide" or polyoxypropylene or "(poly)oxypropylene" or "poly(oxy-1, 2-propanediyl)" or "hydroxypoly(propylene oxide)" or "hydroxypoly(oxy-1, 2-propanediyl)" or "hydroxypoly(oxypropylene)" or "1,2-propanediol polymer" or "polypropylene glycol" OR "PEG" or "polyethylene glycol" or polyether OR "propylene glycol" or "1, 2-propylene glycol" or "1, 2-propanediol" or "2, 3-propanediol" or propanediol or "1, 2-dihydroxypropane" or "2-hydroxypropanol" or dowfrost or "isopropylene glycol" or "methylethyl glycol" or "methylethylene glycol" or "monopropylene glycol" or Sirlene or "Solar</p>				
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# **EAST Search History**

S15	2	S10 AND ("hexamethylene diisocyanate" or "1,6-diisocyanatohexane" or "1,6-hexamethylene diisocyanate" or "1,6-hexylene diisocyanate" or "hexamethylene ester isocyanic acid" or "hexane 1,6-diisocyanate" or "HDI" or "HMDI")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 14:41
S16	33	S10 AND (bioglass or "bio-glass" or "bio glass" or "bio-glass" or "bioglass" or "biological glass" or "bioactive glass" or "bio-active glass" or "biologically active glass" or "active glass" or "biocompatible glass" or "fusible glass" or Arglaes or "water glass" or waterglass or "soluble glass" or "aqueous glass" or waterglass or "water glass" or "water-glass" or "water soluble glass" or "water-soluble glass" or "ceramic-glass" or "ceramic glass" or "ceramic-glasses" or "ceramic glasses" or "glass-ceramic" or "glass ceramic" or "glass-ceramics" or "glass ceramics")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 15:29

# **EAST Search History**

S17	36	S10 AND ((solgel or "sol gel" or "sol-gel" or "sol/gel" or "sol\$gel\$" or bio or bioactive or "bio-active" or biologic or biological or biologically or active or biocompatible or fusible or Arglaes or soluble or aqueous or water or "water glass" or "water-glass" or "water soluble" or "water-soluble" or ceramic or ceramics) NEAR5 (\$glass))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 15:30
S18	51	S10 AND ((phosphorus or phosphoric) NEAR15 (oxide or oxides or pentoxide))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:08
S19	65	S10 AND (("Mg" or "Mg++" or magnesium or "alkaline earth metal" or "alkaline earth metals" or "alkaline earth") NEAR15 (oxide or oxides))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:11
S20	64	S10 AND (("Na" or "Na+" or sodium or "alkali metal" or "alkali metals" or alkali) NEAR15 (oxide or oxides))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:12

# EAST Search History

S21	26	S10 AND (antiseptic\$ or "anti-septic\$" or antisepticiz\$ or "anti-septiciz\$" or antisepticis\$ or "anti-septicis\$" or septic\$ or aseptic\$ or asepticiz\$ or asepticis\$ or asepsis\$ or antiseptis\$ or "anti-sepsis" or asepticif\$ or sanitiz\$ or sanitis\$ or deodoriz\$ or deodoris\$ or steriliz\$ or sterilis\$ or disinfect\$ or preservative or antifouling or "anti-fouling" or antiblofouling or "anti-blofouling" or germicid\$ or antimicrobial or "anti-microbial" or microbiocid\$ or "micro-biocid\$" or biocid\$ or biostat or biostatic\$ or phytoncid\$ OR bactericid\$ or bacteriocid\$ or bacteriostas\$ or bacteriostat\$ or bacteriastat\$ or bacteriastat\$ or bacteristat\$ or bacteristat\$ or bacteriocin or colicin or antibacterial or "anti-bacterial" or antibiotic or "anti-biotic" or antiricket\$ or "anti-ricket\$" OR virucid\$ or viricid\$ or antiviral or "anti-viral" OR fungicid\$ or antifungal or "anti-fungal" or antimycotic or "anti-mycotic" or antimycosis or "anti-mycosis")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:12
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## EAST Search History

S22	31	S10 AND ((agglomerate or agglomerates or agglomerated or agglomerating or \$agglomerate or \$agglomerates or \$agglomerated or \$agglomerating or agglomerat\$ or \$agglomerat\$ or aggregate or aggregates or aggregated or aggregating or \$aggregate or \$aggregates or \$aggregated or \$aggregating or aggregates\$ or \$aggregates\$ or \$bead or \$beads or \$bubble or \$bubbles or \$capsule or \$capsules or \$capsul\$ or \$capsulate or \$capsulates or \$capsulated or \$capsulating or \$capsulat\$ or \$capsulation or core or \$crystal or \$crystals or crystal\$ or \$crystallite or \$droplet or \$droplets or dust or \$dust or dust\$ or \$encapsulate or \$encapsulates or \$encapsulated or \$encapsulating or \$encapsul\$ or \$encapsulation or grain or grains or \$grain or grain\$ or granule or granules or \$granule or granul\$ or granulate or \$granulate or granulat\$ or granulates or granulated or granulating or granular or \$granular or granular\$ or flocculate or flocculates or flocculated or flocculating or \$flocculate or \$flocculates or \$flocculated or \$flocculating or flocculat\$ or \$flocculat\$ or \$liposome or \$liposomes or \$liposomal or \$liposom\$ or nuclei or nucleus or particle or particles or \$particle or \$particles or partid\$ or particulate or particulates or particulated or particulating or \$particulate or \$particulates or \$particulated or \$particulating or particulat\$ or \$particulat\$ or powder or powders or powdered or powdering or \$powder or powder\$ or shell or shells or solid or "solid dosage form" or sphere or spheres or spherical or spher\$ or \$vesicle or \$vesicles) NEAR20 (glass or bioglass or "bio-glass" or "bio glass" or "bio-glass" or "bioglass" or "biological glass" or "bioactive glass" or "bio-active glass" or "biologically active glass" or "active glass" or "biocompatible glass" or "fusible glass" or Arglaes or "water glass" or waterglass or "soluble glass" or "aqueous glass" or waterglass or "water glass" or "water-glass" or "water soluble glass" or "water-soluble glass" or "ceramic-glass" or "ceramic glass" or "ceramic-glasses" or "ceramic glasses" or "glass-ceramic" or "glass ceramic" or "glass-ceramics" or "glass ceramics"))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:12
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## EAST Search History

S23	32	S10 AND ((micrometer or "micro-meter" or "micro meter" or micrometers or "micro-meters" or "micro meters" or "!um!" or micro or micron or microns or micronize or micronized or micronizing or mesh or size or diameter or nanometer or "nano-meter" or "nano meter" or nanometers or "nano-meters" or "nano meters" or "!nm!" or nano or submicron or "sub-micron" or "sub micron" or picometer or "pico-meter" or "pico meter" or picometers or "pico-meters" or "pico meters" or "!pm!" or pico or angstrom or angstroms) NEAR20 (glass or bioglass or "bio-glass" or "bio glass" or "bio-glass" or "bioglass" or "biological glass" or "bioactive glass" or "bio-active glass" or "biologically active glass" or "active glass" or "biocompatible glass" or "fusible glass" or Arglaes or "water glass" or waterglass or "soluble glass" or "aqueous glass" or waterglass or "water glass" or "water-glass" or "water soluble glass" or "water-soluble glass" or "ceramic-glass" or "ceramic glass" or "ceramic-glasses" or "ceramic glasses" or "glass-ceramic" or "glass ceramic" or "glass-ceramics" or "glass ceramics" ))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:13
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## EAST Search History

S24	19	<p>S10 AND ((micrometer or "micro-meter" or "micro meter" or micrometers or "micro-meters" or "micro meters" or "lum!" or micro or micron or microns or mesh or size or diameter) NEAR20 (agglomerate or agglomerates or agglomerated or agglomerating or aggregate or aggregates or aggregated or aggregating or \$bead or \$beads or \$bubble or \$bubbles or \$capsule or \$capsules or \$capsul\$ or \$capsulate or \$capsulates or \$capsulated or \$capsulating or \$capsulat\$ or \$capsulation or core or \$crystal or \$crystals or crystal\$ or \$crystallite or \$droplet or \$droplets or dust or \$encapsulate or \$encapsulates or \$encapsulated or \$encapsulating or \$encapsul\$ or \$encapsulation or grain or grains or \$grain or granule or granules or \$granule or granul\$ or granulate or \$granulate or granulat\$ or granulates or granulated or granulating or granular or \$granular or flocculate or flocculates or flocculated or flocculating or \$flocculate or \$flocculates or flocculat\$ or \$liposome or \$liposomes or \$liposomal or nucleol or nucleolus or particle or particles or \$particle or \$particles or particulate or particulates or particulated or particulating or \$particulate or \$particulates or \$particulated or \$particulating or particulat\$ or powder or powders or powdered or powdering or \$powder or shell or shells or solid or "solid dosage form" or sphere or spheres or spherical or spher\$ or \$vesicle or \$vesicles) NEAR20 (glass or bioglass or "bio-glass" or "bio glass" or "bio-glass" or "bioglass" or "biological glass" or "bioactive glass" or "bio-active glass" or "biologically active glass" or "active glass" or "biocompatible glass" or "fusible glass" or Arglaes or "water glass" or waterglass or "soluble glass" or "aqueous glass" or waterglass or "water glass" or "water-glass" or "water soluble glass" or "water-soluble glass" or "ceramic-glass" or "ceramic glass" or "ceramic-glasses" or "ceramic glasses" or "glass-ceramic" or "glass ceramic" or "glass-ceramics" or "glass ceramics"))</p>	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:13
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## EAST Search History

S25	5	<p>S10 AND ((nanometer or "nano-meter" or "nano meter" or nanometers or "nano-meters" or "nano meters" or "nm!" or nano or submicron or "sub-micron" or "sub micron") NEAR20 (agglomerate or agglomerates or agglomerated or agglomerating or aggregate or aggregates or aggregated or aggregating or \$bead or \$beads or \$bubble or \$bubbles or \$capsule or \$capsules or \$capsul\$ or \$capsulate or \$capsulates or \$capsulated or \$capsulating or \$capsulat\$ or \$capsulation or core or \$crystal or \$crystals or crystal\$ or \$crystallite or \$droplet or \$droplets or dust or \$encapsulate or \$encapsulates or \$encapsulated or \$encapsulating or \$encapsul\$ or \$encapsulation or grain or grains or \$grain or granule or granules or \$granule or granul\$ or granulate or \$granulate or granul\$ or granulates or granulated or granulating or granular or \$granular or flocculate or flocculates or flocculated or flocculating or \$flocculate or \$flocculates or flocculat\$ or \$liposome or \$liposomes or \$liposomal or nuclei or nucleus or particle or particles or \$particle or \$particles or \$particulate or \$particulates or \$particulated or \$particulating or particulat\$ or powder or powders or powdered or powdering or \$powder or shell or shells or solid or "solid dosage form" or sphere or spheres or spherical or spher\$ or \$vesicle or \$vesicles) NEAR20 (glass or bioglass or "bio-glass" or "bio glass" or "bio-glass" or "bioglass" or "biological glass" or "bioactive glass" or "bio-active glass" or "biologically active glass" or "active glass" or "biocompatible glass" or "fusible glass" or Arglaes or "water glass" or waterglass or "soluble glass" or "aqueous glass" or waterglass or "water glass" or "water-glass" or "water soluble glass" or "water-soluble glass" or "ceramic-glass" or "ceramic glass" or "ceramic-glasses" or "ceramic glasses" or "glass-ceramic" or "glass ceramic" or "glass-ceramics" or "glass ceramics"))</p>	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:13
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## EAST Search History

S26	49	<p>S10 AND (acrylic or acrylate or methacrylate or polyacrylic or "poly acrylic" or "poly-acrylic" or "(poly)acrylic" or polyacrylate or "poly acrylate" or "poly-acrylate" or "(poly)acrylate" or polymethacrylate or "poly methacrylate" or "poly-methacrylate" or "(poly)methacrylate" or methacrylic or methacrylate or "(meth)acrylic" or "(meth)acrylate" or "\$methacrylic" or "\$methacrylate" or "\${meth)acrylic" or "\${meth)acrylate" or polymethacrylic or polymethacrylate or "poly(meth)acrylic" or "poly(meth)acrylate" or alkylacrylic or alkylacrylate or alkylmethacrylate or "(alkyl)acrylic" or "(alkyl)acrylate" or "alkyl(meth)acrylate" or "alkyl (meth)acrylate" or "alkyl acrylic" or "alkyl acrylate" or "alkyl methacrylate" or "\$alkylacrylic" or "\$alkylacrylate" or "\$alkylmethacrylate" or "\${alkyl)acrylic" or "\${alkyl)acrylate" or "\$alkyl(meth)acrylate" or "\$alkyl (meth)acrylate" or "\$alkyl acrylic" or "\$alkyl acrylate" or "\$alkyl methacrylate" or polyalkylacrylic or polyalkylacrylate or polyalkylmethacrylate or "poly(alkyl)acrylic" or "poly(alkyl)acrylate" or "polyalkyl(meth)acrylate" or "polyalkyl acrylic" or "polyalkyl acrylate" or "polyalkyl methacrylate" or "poly(alkyl) acrylic" or "poly(alkyl) acrylate" or "polyalkyl (meth)acrylate" or methylacrylic or methylacrylate or methylmethacrylate or "(methyl)acrylic" or "(methyl)acrylate" or "methyl(meth)acrylate" or "methyl (meth)acrylate" or "methyl acrylic" or "methyl acrylate" or "methyl methacrylate" or "\$methylacrylic" or "\$methylacrylate" or "\$methylmethacrylate" or "\${methyl)acrylic" or "\${methyl)acrylate" or "\$methyl(meth)acrylate" or "\$methyl (meth)acrylate" or "\$methyl acrylic" or "\$methyl acrylate" or "\$methyl methacrylate" or polymethylacrylic or polymethylacrylate or polymethylmethacrylate or "poly(methyl)acrylic" or "poly(methyl)acrylate" or "polymethyl(meth)acrylate" or "polymethyl acrylic" or "polymethyl acrylate" or "polymethyl methacrylate" or "poly(methyl) acrylic" or "poly(methyl) acrylate" or "polymethyl (meth)acrylate")</p>	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:13
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S27	24	S10 AND (ethylacrylic or ethylacrylate or ethylmethacrylate or "(ethyl)acrylic" or "(ethyl)acrylate" or "ethyl(meth)acrylate" or "ethyl (meth)acrylate" or "ethyl acrylic" or "ethyl acrylate" or "ethyl methacrylate" or "\$ethylacrylic" or "\$ethylacrylate" or "\$ethylmethacrylate" or "\${ethyl)acrylic" or "\${ethyl)acrylate" or "\$ethyl(meth)acrylate" or "\$ethyl (meth)acrylate" or "ethyl acrylic" or "ethyl acrylate" or "\$ethyl methacrylate" or "\$ethyl methacrylate" or polyethylacrylic or polyethylacrylate or polyethylmethacrylate or "poly(ethyl)acrylic" or "poly(ethyl)acrylate" or "polyethyl(meth)acrylate" or "polyethyl acrylic" or "polyethyl acrylate" or "polyethyl methacrylate" or "poly(ethyl) acrylic" or "poly(ethyl) acrylate" or "polyethyl (meth)acrylate" or propylacrylic or propylacrylate or propylmethacrylate or "(propyl)acrylic" or "(propyl)acrylate" or "propyl(meth)acrylate" or "propyl (meth)acrylate" or "propyl acrylic" or "propyl acrylate" or "propyl methacrylate" or "\$propylacrylic" or "\$propylacrylate" or "\$propylmethacrylate" or "\$\$(propyl)acrylic" or "\$\$(propyl)acrylate" or "\$propyl(meth)acrylate" or "\$propyl acrylic" or "\$propyl acrylate" or "\$propyl methacrylate" or polypropylacrylic or polypropylacrylate or polypropylmethacrylate or "poly(propyl)acrylic" or "poly(propyl)acrylate" or "polypropyl(meth)acrylate" or "polypropyl acrylic" or "polypropyl acrylate" or "polypropyl methacrylate" or "poly(propyl) acrylic" or "poly(propyl) acrylate" or "polypropyl (meth)acrylate" or butylacrylic or butylacrylate or butylmethacrylate or "(butyl)acrylic" or "(butyl)acrylate" or "butyl(meth)acrylate" or "butyl (meth)acrylate" or "butyl acrylic" or "butyl acrylate" or "butyl methacrylate" or "\$butylacrylic" or "\$butylacrylate" or "\$butylmethacrylate" or "\${butyl)acrylic" or "\${butyl)acrylate" or "\$butyl(meth)acrylate" or "\$butyl (meth)acrylate" or "\$butyl acrylic" or "\$butyl acrylate" or "\$butyl methacrylate" or polybutylacrylic or polybutylacrylate or polybutylmethacrylate or "poly(butyl)acrylic" or "poly(butyl)acrylate" or "polybutyl(meth)acrylate" or "polybutyl acrylic" or "polybutyl acrylate" or "polybutyl methacrylate" or "poly(butyl) acrylic" or "poly(butyl) acrylate" or "polybutyl (meth)acrylate")	US-PGUB; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:14
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## EAST Search History

S28	45	S10 AND (colloid or colloidal or hydrocolloid or hydrocolloidal or hydrogel OR gum or "anionic gum" or "natural gum" or acacia or arabica or arabic or carrageen or carragheen or carrageenan or carrageenin or carrageenin or carageen or caragheen or carageenan or carageenin or carrageenate or carragheenate or carageenate or caragheenate or carob or carubin or chide or dammar or gellan or guar or karaya or kelzan or "locust bean" or tragacanth or xanthan OR saccharide or monosaccharide or disaccharide or oligosaccharide or polysaccharide or starch or starch or cornstarch or cellulose or cellulose or "microcrystalline cellulose" or "micro-crystalline cellulose" or dextran or dextran\$ or dextrin\$ or dextrin\$ or cyclodextrin\$ or cyclodextrin\$ or maltodextrin\$ or fructan or chitosan or chitin or glycogen or gum OR carbohydrate or sugar or "polyhydric alcohol" or saccharide or monosaccharide or dextrose or glucose or fructose or mannose or lactose or maltose or sucrose OR curculin or erythritol or glycol or	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:14
7/19/2006 4:33:23 PM C:\Documents and Settings\K... \My Documents\10681204_MeyerIngold_Polyurethane Silver Bioglass Wound Composite.wsp		glycymrhizin or glycerol or glycerin or glycerine or isomalt or lactitol or mabinlin or maltitol or mannitol or miraculin or monellin or pentadin or sorbitol or stevia or stevioside or tagatose or thaumatin or xylitol OR acesulfame or "acesulfame potassium" or alitame or aspartame or cyclamate or dulcin or "neohesperidine dihydrochalcone" or neotame or "P-4000" or saccharin or saccharine or benzosulfimide or sucralose)				Page 19

**EAST Search History**

S29	46	S10 AND ("opaque white pigment" or "opaque pigment" or "white pigment" or pigment or color or colour or colorant or coloring or opaque or opaqueness or opacifier or opacity or opacities or opacifying or opacification)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:14
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# EAST Search History

S30	32	S10 AND ("!TiO2!" or "Ti++++!" or "titanium dioxide" or "titanic oxide" or "titanium white" or "pigment white 6" or "titanium(IV) oxide" or "titaniumIV oxide" or "titanium (IV) oxide" or "titanium IV oxide" or "titanium(4) oxide" or "titanium4 oxide" or "titanium (4) oxide" or "titanium 4 oxide" or "63B1 White" or "A 200 pigment" or "A 330 pigment" or "A-Fil Cream" or "Aerolyst 7710" or "Aerolyst 7711" or "Aerosil P 25" or "Aerosil P 25S6" or "Aerosil P 27" or "Aeroxide P 25" or "AK 15 pigment" or "Amperit 780" or "Austiox R-CR 3" or "B 101 pigment" or "Bayer R-FD 1" or "Bayertitan A" or "Bayertitan AN 3" or "Bayertitan R-FD 1" or "Bayertitan R-FK 21" or "Bayertitan R-FK-D" or "Bayertitan R-KB 2" or "Bayertitan R-KB 3" or "Bayertitan R-KB 4" or "Bayertitan R-KB 5" or "Bayertitan R-KB 6" or "Bayertitan R-U 2" or "Bayertitan R-U-F" or "Bayertitan R-V-SE 20")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 18:17
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# EAST Search History

S31	29	S10 AND ((titanium or titanic or titania or "TiO2!" or "Ti++++!" or "titanium dioxide" or "titanium oxide" or "titanic oxide" or "titanium white" or "pigment white 6" or "titanium(IV) oxide" or "titaniumIV oxide" or "titanium (IV) oxide" or "titanium IV oxide" or "titanium(4) oxide" or "titanium4 oxide" or "titanium (4) oxide" or "titanium 4 oxide" or "titanium(IV)" or "titaniumIV" or "titanium (IV)" or "titanium IV" or "titanium(4)" or "titanium4" or "titanium (4)" or "titanium 4") NEAR15 (oxide or oxides or dioxide or dioxides or "opaque white pigment" or "opaque pigment" or "white pigment" or pigment or color or colour or colorant or coloring or opaque or opaqueness or opacifier or opacity or opacities or opacifying or opacification))	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/14 12:15
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# **EAST Search History**

S32	35	S10 AND (wound or wounds or lesion or incision or laceration or abrasion or burn or tissue or "artificial tissue" or "synthetic tissue" or skin or "artificial skin" or "synthetic skin" or skin or epiderm\$ or epidermal or epidermis or epitheli\$ or epithelial or epithelium or epithelia or derm\$ or dermal or dermis or derma or dermatological or cutaneous or \$cutaneous or cutaneal or topical or topically or "topical administration" or medical or medicinal or surgical or surgery or suture or sutured or sutures or suturing or sutura)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 15:02
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S33	21	S10 AND ((absorb or absorbed or absorbs or absorbing or absorption or absorbate or absorbant or absorbent or adsorb or adsorbed or adsorbs or adsorbing or adsorption or adsorbate or adsorbant or adsorbent or sorb or sorbed or sorbs or sorbing or sorption or sorbent or sorbate or sorbant or sorbent OR permeate or permeates or permeated or permeating or permeation or permeable or permeably or permeability or semipermeate or semipermeates or semipermeated or semipermeating or semipermeating or semipermeation or semipermeable or semipermeably or semipermeability or "semi-permeate" or "semi-permeates" or "semi-permeated" or "semi-permeating" or "semi-permeating" or "semi-permeation" or "semi-permeable" or "semi-permeably" or "semi-permeability") NEAR:10 (water or aqua or aqueous or vapor or moisture or hydrous or hydrate or saline or humid or humidity or moist or wet or humid or damp or hydrophilic or liquid or fluid or fluids or fluidic or "body fluid" or "body fluids" or exudate or exudates or blood or saliva or urine))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 14:48
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# **EAST Search History**

S34	22	S10 AND (foam or foams or foamed or foaming)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:19
S35	65	S10 AND (sheet or layer or layered or layers or layering or coat or coated or coats or coating)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:19
S36	33	S10 AND ((sheet or layer or layered or layers or layering or coat or coated or coats or coating) NEARS (area or amount or thick or thickness))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 15:00
S37	57	S10 AND (adhere or adhered or adheres or adhering or adhesion or adherent or adhesive or adjoin or adjoined or adjoins or adjoining or attach or attached or attaches or attaching or attachment)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 12:21
S38	68	S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/14 17:14

# **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	382	((polyglycol or polyether or polyoxide) NEAR5 (ratio) NEAR5 (polyurethane or polyurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curene or Dorlastan or Elastane or Espa or Etheron or Glospan or Isourethane or Lika or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes or diisocyanate or isocyanate))	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/19 08:35

## EAST Search History

S2	369	((polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curen or Dorlastan or Elastane or Espa or Ethern or Glospan or Isourethane or Likla or Lycra or Oberon or Neolon or Ostamer or Pligrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes or diisocyanate or isocyanate) NEAR5 (ratio) NEAR5 (glycerol or glycerin or glycerine or glycyrrhizin or glycol or glyceritol or glysanin or glyrol or "glycyl alcohol" or "glyceol ophthalgan" or "1, 2,3-propanetriol" or propanetriol or "1, 3-dihydroxy-2-propanol" or "1,2, 3-trihydroxypropane!" or trihydroxypropane or tryhydroxypropane or Bulbold or "Emery 916!" or "Emery 917!" or "Mackstat H 66!" or Osmoglyn or "Pricerine 9091!" or polyglycol or ether or ethers or polyether or oxide or polyoxide or oxy or polyoxy or epoxide or polyhydroxyl or polyol or polyalcohol or "polymeric alcohol") NEAR5 (ethylene or polyethylene or propylene or polypropylene or butylene or polybutylene or alkylene or polyalkylene or polyalkyl))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 14:29
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## EAST Search History

S3	826	((polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curen or Dorlastan or Elastane or Espa or Etheron or Glospan or Isourethane or Likla or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes or diisocyanate or isocyanate) NEAR5 (ratio) NEAR5 ("alkylene oxide" or "alkylene epoxide" OR "ethylene oxide" or "ethene-oxide" or "ethene oxide" or "ethylene-epoxide" or "ethylene epoxide" or oxyethylene or ethyleneoxy or "1, 2-epoxyethane" or epoxyethane or dimethylene oxide or dihydrooxirene or "Ciba-Geigy 9138" or "Mirror Ox" or oxacyclopropane or oxidoethane or "dihydro-oxirene" or dihydrooxirene or oxirene or oxyfume or oxirane OR "propylene oxide" or "1, 2-propylene oxide" or "propene-oxide" or "propene oxide" or "propylene-epoxide" or "propylene epoxide" or	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:23
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Page 3

7/19/2006 4:32:30 PM C:\Documents and Settings\... \EAST\Workspaces\10681204\_MeyerIngold\_Polyurethane Silver Bioglass Wound Composite\_2.wsp

		propyleneoxy or "1, 2-epoxypropane" or "1, 2-epoxy-propane" or "2, 3-epoxypropane" or "2, 3-epoxy-propane" or epoxypropane or "epoxy-propane" or "epoxy propane" or epihydrin or "2-methyloxirane" or "2-methyl-oxirane" or methyloxirane or "methyl-oxirane" or "methyl loxirane" or methyloxacyclopropane OR "polyalkylene oxide" or "(poly)alkylene oxide" or "polyalkylene epoxide" or "(poly)alkylene epoxide" or "polyoxyalkylene" or "(poly)oxyalkylene" or polyether OR "polyethylene oxide" or "(poly)ethylene oxide" or "polyethylene epoxide" or "(poly)ethylene epoxide" or polyoxyethylene or "(poly)oxyethylene" or "poly(oxy-1,2-ethanediyl)" or "hydroxypoly(ethylene oxide)" or "hydroxypoly(oxy-1, 2-ethanediyl)" or "hydroxypoly(oxyethylene)" or "1,2-ethanediol polymer" or "polyethylene oxide" or Alkox or AntaroX or "Aquacide III" or Aquaffin or Badimol or "Bradsyn PEG" or Breox or "Breox PEG" or Carbowax or Polyox OR "polypropylene oxide" or "(poly)propylene oxide" or "polypropylene epoxide" or "(poly)propylene epoxide" or polyoxypropylene or "(poly)oxypropylene" or "poly(oxy-1, 2-propanediyl)" or "hydroxypoly(propylene oxide)" or				
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# EAST Search History

S4	1069	S1 OR S2 OR S3	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:23
S5	915	S4 AND @AD<="20030409"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 14:31
S6	128	S5 AND ((absorb or absorbed or absorbs or absorbing or absorption or absorbate or absorbant or absorbent or adsorb or adsorbed or adsorbs or adsorbing or adsorption or adsorbate or adsorbant or adsorbent or sorb or sorbed or sorbs or sorbing or sorption or sorbent or sorbate or sorbant or sorbent) NEAR10 (water or aqua or aqueous or moisture or hydrous or hydrate or saline or humid or humidity or moist or wet or humid or damp or hydrophilic or liquid or fluid or fluids or fluidic or "body fluid" or "body fluids" or "physiologic fluid" or "physiologic fluids" or "physiological fluid" or "physiological fluids" or exudate or exudates or blood or serum or saliva or urine or vapor or gas))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:43

# **EAST Search History**

S7	79	<p>S5 AND ((permeate or permeates or permeated or permeating or permeation or permeable or permeably or permeability or semipermeate or semipermeates or semipermeated or semipermeating or semipermeation or semipermeable or semipermeably or semipermeability or "semi-permeate" or "semi-permeates" or "semi-permeated" or "semi-permeating" or "semi-permeation" or "semi-permeable" or "semi-permeably" or "semi-permeability")</p> <p>NEAR10 (water or aqua or aqueous or moisture or hydrous or hydrate or saline or humid or humidity or moist or wet or humid or damp or hydrophilic or liquid or fluid or fluids or fluidic or "body fluid" or "body fluids" or "physiologic fluid" or "physiologic fluids" or "physiological fluid" or "physiological fluids" or exudate or exudates or blood or serum or saliva or urine or vapor or gas))</p>	<p>US-PGPU B; USPAT; EPO; JPO; DERWEN T</p>	OR	ON	2006/07/17 08:43
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# **EAST Search History**

S8	42	S6 AND S7	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:44
S9	23	S8 AND ("hydroxy groups" or "hydroxyl groups")	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:44
S10	42	S8 OR S9	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/17 08:49
S11	17	S10 AND (wound or "body fluid" or "body fluids" or "physiologic fluid" or "physiologic fluids" or "physiological fluid" or "physiological fluids" or exudate or exudates or blood or serum or saliva or urine)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 14:33

# **EAST Search History**

S12	8	S11 AND (Pentaerythritol or "2, 2-bis(hydroxymethyl)-1, 3-propanediol" or "1,1, 1-tris(hydroxymethyl)ethanol" or "2, 2-bis(hydroxymethyl)-1, 3-propanediol" or Auxinutril or "Hercules P 6" or Maxinutril or "Metab-Auxil" or "Metab Auxil" or MetabAuxil or monopentaerythritol or monopentek or "Neulizer P" or Penetek or Pentarit or Pentek or "tetra(hydroxymethyl)methane" or "tetrakis(hydroxymethyl)methane" or "tetramethylolmethane" or "THME!")	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/17 09:06
S13	16	S11 AND ("hexamethylene diisocyanate" or "hexamethylenediisocyanate" or "1, 6-diisocyanatohexane" or "1,6-hexamethylene diisocyanate" or "1, 6-hexylene diisocyanate" or "hexamethylene ester isocyanic acid" or "hexane 1,6-diisocyanate" or "HDI" or "HMDI")	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/17 09:24
S14	17	S11 OR S12 OR S13	US-PGPU B; USPAT; EPO; JPO; DERWENT	OR	ON	2006/07/17 10:35



# EAST Search History

S15	429	((polyurethane or ployurethan or polyurethane or "urethane polymer" or "polymeric urethane" or Andur or Curen or Dorlastan or Elastane or Espa or Ethern or Glospan or Isourethane or Likla or Lycra or Oberon or Neolon or Ostamer or Pliogrip or Polyfoam or Pyren or Spandel or Spandex or Spenkel or Spenlite or Vyrene or "synthetic rubber" or "synthetic rubbers" or rubber or urethane or urethanes or diisocyanate or isocyanate) NEAR5 (catalyst or catalytic) NEAR5 (bismuth or "Bi!"))	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 14:31
S16	348	S15 AND @AD<="20030409"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:36
S17	22	S16 AND (wound or "body fluid" or "body fluids" or "physiologic fluid" or "physiologic fluids" or "physiological fluid" or "physiological fluids" or exudate or exudates or blood or serum or saliva or urine)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 14:33

# EAST Search History

S18	52	("0002417" "20010006987" "20010009831" "20020172709" "0253321" "4661099" "5000746" "5049139" "5470585" "5571080" "5614006" "5681575" "5844013" "6143318" "6191216" "6410633" "6428800" "6447805" "6468521" "6482427" "6482444" "6528443" "6555491" "6592888" "6593260" "6815379" "6838171" "0064193").PN.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 16:20
S19	67	("0172709" "20010023156" "20020086039" "20040002416" "20040002417" "20040018227" "20040137075" "20040202703" "20040253321" "20050064193" "3555491" "4661099" "4920172" "5000746" "5049139" "5470585" "5470585" "5571080" "5591820" "5614006" "5681575" "5844013" "6143318" "6191216" "6410633" "6428800" "6447805" "6468521" "6482427" "6482444" "6528443" "6592888" "6593260" "6815379" "6838171" "0006987" "0009831").PN.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 16:20
S20	78	S18 OR S19	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/18 16:21

# **EAST Search History**

S21	52	("0002417" "20010006987" "20010009831" "20020172709" "0253321" "4661099" "5000746" "5049139" "5470585" "5571080" "5614006" "5681575" "5844013" "6143318" "6191216" "6410633" "6428800" "6447805" "6468521" "6482427" "6482444" "6528443" "6555491" "6592888" "6593260" "6815379" "6838171" "0064193").PN.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:35
S22	67	("0172709" "20010023156" "20020086039" "2004002416" "20040002417" "20040018227" "20040137075" "20040202703" "20040253321" "20050064193" "3555491" "4661099" "4920172" "5000746" "5049139" "5470585" "5470585" "5571080" "5591820" "5614006" "5681575" "5844013" "6143318" "6191216" "6410633" "6428800" "6447805" "6468521" "6482427" "6482444" "6528443" "6592888" "6593260" "6815379" "6838171" "0006987" "0009831").PN.	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:35
S23	78	S21 OR S22	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:35

# **EAST Search History**

S24	62	S23 AND @AD<="20030409"	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:36
S25	7	S24 AND (discoloration)	US-PGPU B; USPAT; EPO; JPO; DERWEN T	OR	ON	2006/07/19 08:37